

N. M. OIL CONS. MISSION
P. O. BOX 1980
HOBBBS, NEW MEXICO STATES
DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R1425.

30-025-28101

GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
71 068281 B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL DEEPEN PLUG BACK

b. TYPE OF WELL

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Highland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 6327, Odessa, Texas 79762

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

330' FNL and 990' FWL of Section 20.

At proposed prod. zone

Same as above.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 miles SW from Jal, NM.

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 330' FNL
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'

19. PROPOSED DEPTH

4500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3175.9 GR

22. APPROX. DATE WORK WILL START*

12-5-82

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	1000'	125 sx C1 C CIRCULATE
7 7/8"	4 1/2"	9.5#	4500'	90 sx HLC/W & C1 C

Additional Information:

- Surface formation is Tertiary with some Triassic exposed.
- Estimated geological tops: Rustler - 950', Anhydrite - 1000', Base Salt - 1300', Yates - 3000', Lamar Lime - 4100', Delaware Top - 4300'.
- Pressure control equipment: Double hydrolic pressure tested to 3000 psi, full closing hydril on top tested to 3000 psi. Pressure control diagram is attached. Testing will be on installation, daily and on trips.
- Proposed circulating medium: 0-1000' - Spud Mud, 1000-4500' - Brine water.
- Estimate will encounter water from 890 to 950'.
- Estimate will encounter oil at 4370'.
- Logging program: Acoustic velocity gamma ray caliper log; Forxo guard log.
- No coring or drill stem testing.
- No abnormal pressures or temperatures are expected to be encountered.
- Anticipated starting date is December 5, 1982.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

APPROVED

(This space for Federal or State office use)

(Orig. Sgd.) **GEORGE H. STEWART**

TITLE Drilling Supervisor

DATE 11-19-82

PERMIT NO.

DEC 16 1982

APPROVAL DATE

APPROVED BY

JAMES A. GILLHAM
DISTRICT SUPERVISOR

TITLE

DATE

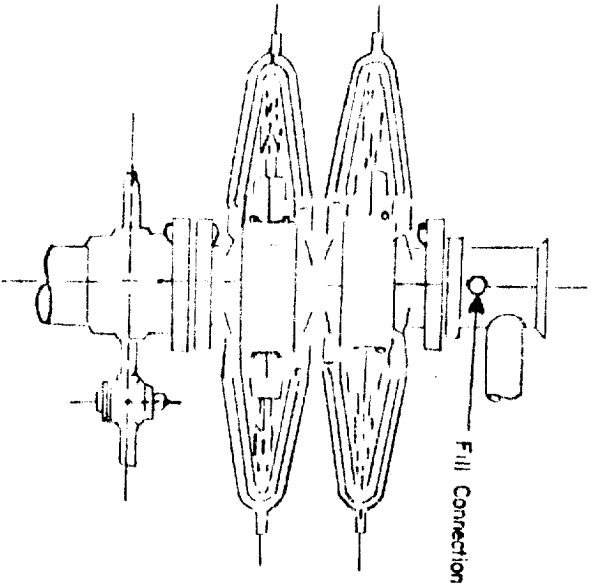
RE

RECEIVED

DEC 27 1982

600
HOBBBS OFFICE

HIGHLAND PROD CO.
RUSSELL-FEDERAL
APPLICATION TO DRILL
WELL NO. 9



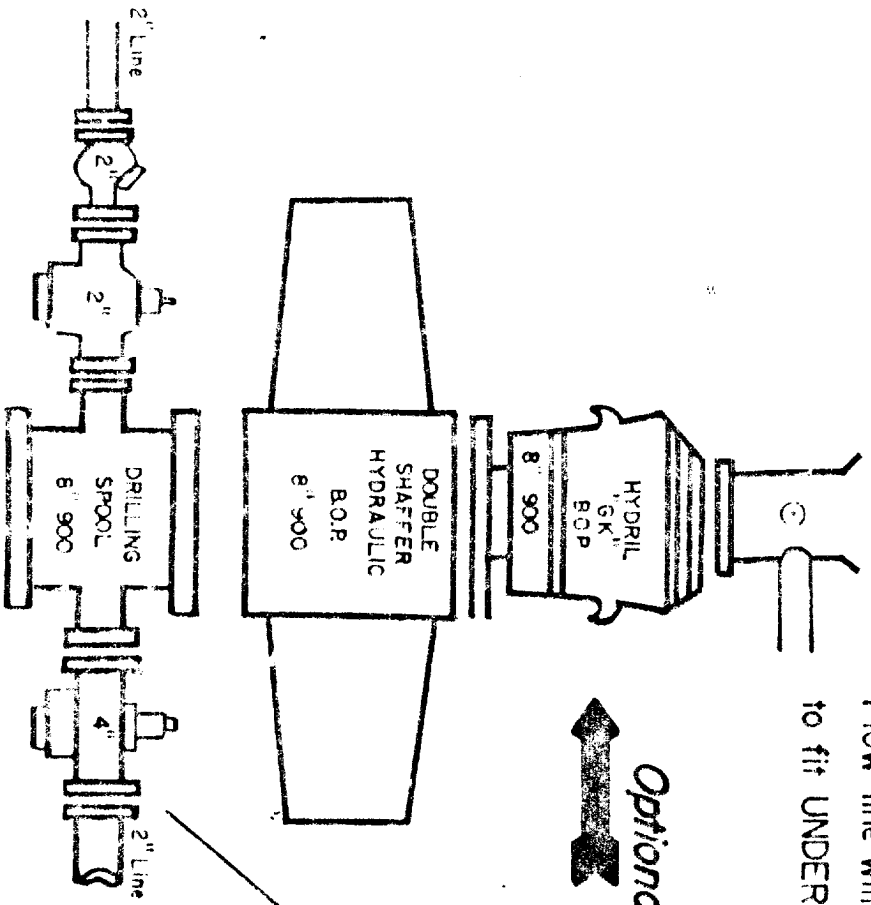
Stoffer Type E Series 900 Hydraulic BOP

3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP

Series 900 Flanges, or Better.

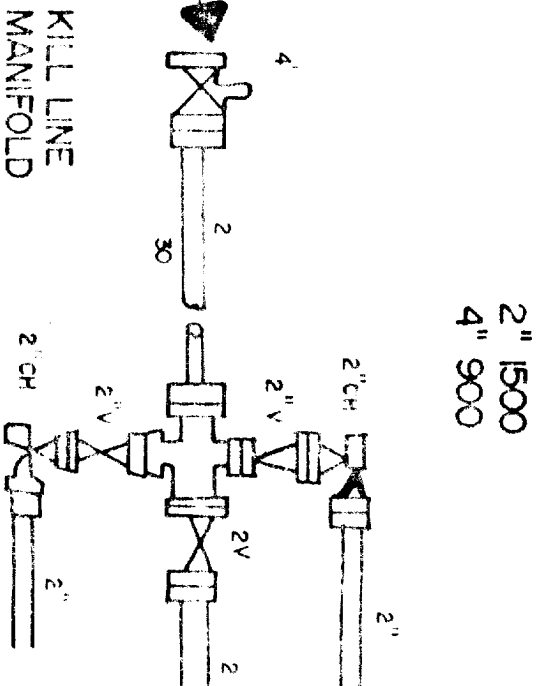
Note: B.O.P. system will meet the conditions of drilling approval
required by the USGS District Office in Hobbs, New Mexico.

ASE ROTARY TABLE



Flow line will have to be made to fit UNDER Rotary.

Optional



HIGHLAND PROD. CO.
 RUSSELL - FEDERAL
 APPLICATION TO DRILL
 WELL NO. 9

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CLERK
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